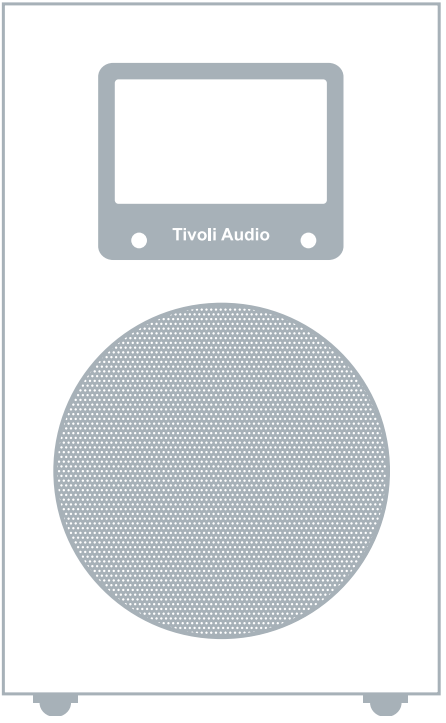
OWNER'S MANUAL

NetWorks®

The NetWorks Radio



Tivoli Audio®

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CAUTION

RISK OF
ELECTRIC SHOCK
DO NOT OPEN

ATTENTION
RISQUE DE CHOC ELECTRIQUE,
NE PAS OUVRIR

PRECAUCION
RIESGO DE CHOQUE ELECTRICO
NO ABRIR

CAUTION: TO REDUCE THE RISK OF
ELECTRIC SHOCK, DO NOT
REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS
INSIDE.
REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water. For example, do not use near a bathtub, in a wet basement, near a swimming pool, and the like. WARNING – To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. The radio must be located such that the bottom AC socket and connected power cord are readily accessible.

16. This product has been tested and found to comply with the limits for Part 15 of the FCC rules. This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the product on and off, the user is encouraged to try to correct the interference by one or more of the following measures:
    - Reorient or relocate the receiving antennas.
    - Increase the separation between the equipment and the receiver.
    - Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

17. This Class B digital device complies with the Canadian ICES-003.

18. For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product to lightning and power-line surges.

19. Operate this product only from the type of power source indicated on the bottom panel. For products using an external power supply, use an exact replacement if lost or damaged. For products operating from battery power, refer to the user manual.

20. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a. When the power supply cord or plug is damaged.
    b. If liquid has been spilled or objects have fallen into the product.
    c. If the product has been exposed to water or rain.
    d. If the product does not operate normally by following the operating instructions.
    e. If the product has been dropped or damaged in any way.
    f. When the product exhibits a distinctive change in performance.

21. If the LCD becomes cracked and damaged, do not touch the liquid.

22. Keep this product a safe distance away from naked flame, such as a lit candle.

23. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

24. The recommended operating temperature range is 41˚ F to 104˚ F (5˚ C to 40˚ C).

25. The system is not disconnected from the mains as long as it is connected to the AC outlet, even if the system itself has been turned off.

NetWorks Instructions

Congratulations on your purchase of the NetWorks radio. We believe the NetWorks is one of the finest table radios on the market. Its sound quality, ease of use, unique features, and distinctive design are unmatched.

We've taken the liberty of saving some diverse Internet radio stations to the stations presets. After you connect your NetWorks to your network, please explore each preset and enjoy listening as you read through this owner's manual.

In order to take full advantage of what your new radio is capable of, please take a moment to read this owner's manual and the safety instructions. If you have any questions, please do not hesitate to contact your dealer or distributor.

Please save the carton and original packing should you ever need to ship your radio, as shipping damage is not covered by the factory warranty.

On behalf of all of us, thank you for choosing Tivoli Audio and enjoy your new NetWorks radio.

About Tivoli Audio

Tivoli Audio was founded by Tom DeVesto with the mission of bringing simple to use, elegantly designed, high quality audio products to consumers. As CEO and head of research and development at his former company, Cambridge SoundWorks, Tom was responsible for the development of many of the best selling home entertainment and multi-media products on the market. He also held senior management positions in product development at both Advent and Kloss Video.

*Cambridge SoundWorks is a registered trademark of Creative Labs, Singapore.

Packed with your NetWorks you should find one each:

- 2.74 meter (9') power cord
- Remote control (battery installed)
- 55.8cm (22") USB accessory cable
- Warranty registration card

Before you use your NetWorks, you'll need:

- A broadband Internet connection.
- A wireless (WiFi) network connected to your broadband Internet, preferably via a router;
- Or an Ethernet cable (not included) for the Ethernet connection if WiFi is unavailable.

Getting Started:

1. Be sure your wireless network is powered on and connected to your broadband Internet.
2. Connect the included power cord to the power input on the bottom of NetWorks and plug the other end of the cord into a wall outlet.
3. Press the power button on the remote control or the center of the top control wheel to turn the NetWorks on.
4. Select "Internet Radio" from the list of sources.
5. Select the WLAN country region nearest you even if WiFi won't be used.
6. The NetWorks will automatically scan for all wireless networks. After the scan it shows names of the wireless networks found in addition to offering options to rescan, select a wired connection (Ethernet)*, or set up the wireless configuration manually. Use the ▲▼ buttons on the remote control to highlight the network you want and then press Select. The display will show

"Connecting". After connecting you may begin using your NetWorks.
***** If you prefer to connect using a direct Ethernet cable, connect the cable (not included) to the Ethernet input located on the bottom of NetWorks.

7. If you are prompted to enter a password, your network uses a security encryption system. You must enter the correct code to allow NetWorks to communicate with your network. The codes are case sensitive so be sure to enter the code exactly as it is configured in your wireless network. Use the ▲▼ buttons to change character pages. Use the ◀▶ buttons to highlight characters and the Select button to enter the character. After you've selected all the characters for your password, press the ' ↲ ' character to enter your password.
    a) the '**<**' symbol = back space if you make an error
    b) the ' ↲ ' symbol = enter completed password
    c) the '**C**' symbol = cancel process and return to previous menu
    When selecting a blank space it will be represented by a blank space followed by an underscore indicating the position of the next character.

NetWorks will now connect to your network.

If the NetWorks fails to connect with the first attempt and you are sure you entered your password correctly, press the ' ↲ ' character to repeat the connection rather than re-enter your password all over again.

If your network uses an encryption system, Tivoli Audio strongly advises against turning it off. You should maintain proper security of your network. If several networks are available, you should connect only to the network you have an agreement to use.

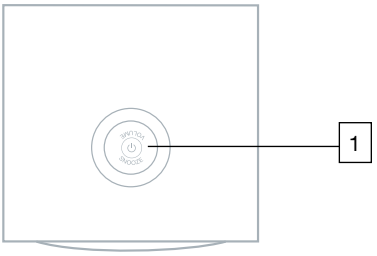
If you experience difficulty connecting to your network, consult our website (http://tivoliportal.com) or contact your dealer, distributor or Tivoli Audio for further assistance.

Should you ever need to manually initiate a network scan you can do so by entering the "Internet Setup" menu and selecting "Scan for networks". The "Internet Setup" menu will also allow you to view and edit current settings.

Wired/Wireless connection: When changing from wireless to wired, after connecting the Ethernet cable to the input on the bottom of your NetWorks radio, enter the "Internet Setup" in the main menu access the "Manual Settings" option and select Wired. Be sure the cable is connected first before switching to Wired mode. The wireless connection is now disabled and no signal strength will be shown on the display. When changing from wired to wireless, rather then select "wireless", select "Scan for networks" in the "Internet Setup" menu and pick up from Step #6 under "Getting Started".

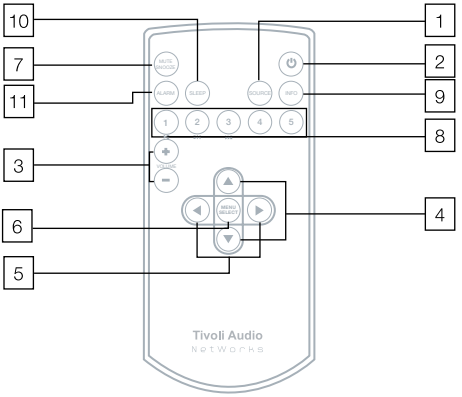
WiFi Signal Reception: The WiFi antenna is incorporated inside the NetWorks. Locate the NetWorks for best WiFi signal reception. Reception can be affected by your home's type of construction as well as other causes of interference. In Internet radio and music player modes the display will show WiFi signal reception in the lower right corner. This will not be shown when using an Ethernet cable. Note: WiFi networks can sometimes impart very low level random noise into the audio signal. This is not a fault of the NetWorks radio.

Guide to Features (Top):



1. **POWER/VOLUME/SNOOZE/MUTE:** Briefly press the center of the control wheel to power NetWorks on. Press and hold the center of the control wheel to power NetWorks off. Rotate the wheel clockwise to increase the volume and counterclockwise to decrease the volume. Press the center of the wheel to activate Snooze after the alarm activates. The Snooze time is fixed at 7 minutes. Press the center of the wheel to mute the audio. The display will show an icon of a speaker with a line through it. Press again to restore audio output or adjust the volume.

Guide to Features (Remote Control):



1. **SOURCE:** Press to view the master source list (Internet radio, Music Player, Auxiliary) and use the ▲▼ buttons and the Select button to select the desired source. When the NetWork is set to Internet radio, the display will show the last station tuned.
2. **POWER:** Press to power the NetWorks on or off. The radio will power on to the last source used.
3. **VOLUME +/–:** Press the **+** button to raise the volume level or the **–** button to lower the volume level. If the audio ever sounds distorted, lower the volume level to avoid damaging the speaker. Adjusting the volume while the NetWorks is muted will cancel the muting.
4. **▲▼:** Press these buttons briefly to move up or down through the menu.
5. **◀▶:** Press to navigate back or forward through pages while in the main menu. Also used for highlighting characters when entering an Internet station's name or entering your password (if required by your network). Also, press and hold the right arrow button to save a tuned Internet station to Favorites.
6. **SELECT/MENU:** Press briefly to select the item highlighted in the menu with an arrow, or press and hold to enter the main menu.

7. **MUTE/SNOOZE:** Press to mute the audio (an icon of a speaker with a line through it will show on the display) when the unit is playing and press again to restore sound or adjust the volume. Press to mute the alarm for 7 minutes after the alarm sounds. The alarm will re-sound after 7 minutes. During Snooze, a count down will be shown on the display except when the analog clock face is displayed. The Snooze time is not adjustable.

8. **PRESETS #1-5/music player controls:** Your NetWorks has five Internet radio stations already saved to the presets for you to enjoy. Should you wish to replace them with your own selections, press and hold a preset button to save the currently tuned station to a preset. “Preset Saved” will briefly show on the display. Once stored, press the preset button briefly to recall the station associated with that preset. If no station has been stored and the preset button is pressed, the display will show “Preset Empty”. Presets cannot be stored in Music Player mode. This will not work when the Source menu is displayed.

9. **INFO: In Internet radio mode,** the Info button will cycle through current status (“Playing” or “Station unavailable”), audio format, station description, genre, and station location. Each time a station is tuned the Info category will default to current playing status. When playing Podcasts, the Info button will cycle through Episode name, Description, Show description, Genre, and Location.

   In Music Player mode, for Shared Media, the Info button will cycle through artist, song, album, and format, and track time. For Shared Folders and a USB device, the Info button will cycle between Filename, Path, and Format.

10. **SLEEP:** Press to start the 20 minute sleep timer. The NetWorks will display the remaining sleep time and automatically power off after 20 minutes. Press again to cancel the sleep timer. The amount of sleep time is not adjustable.

11. **ALARM:** Press to access the alarm menu with NetWorks on or off. For more see “How To set the Alarm”.

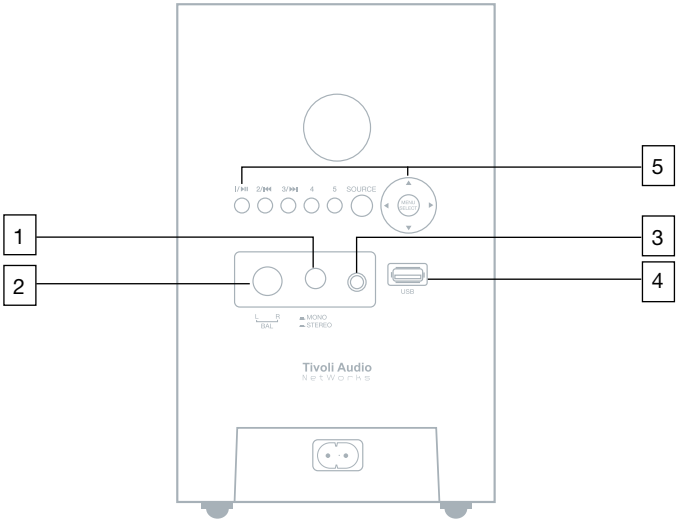
The sensor for the remote control is positioned in the lower left corner of the front panel display. When using the remote, aim it in this general direction. Sunlight flooding the sensor can sometimes cause erratic behavior.

When replacing the remote’s battery, use a brand name 3V lithium button cell, model number CR2025. Install the battery so the positive side is facing you. Dispose of the spent battery according to your state’s regulations. Do not incinerate.

When using the remote control within close proximity to the front panel remote sensor, you might notice some flashing of the display. This is normal.

Guide to Features (Rear panel):

The rear panel controls provide basic functionality should you lose the remote control or the remote is not located nearby.



1. **MONO/STEREO:** Press in for Stereo only when the optional NetWorks Speaker is connected. The display will show an “ST” for Stereo or “M” when the Mono/Stereo button is in the Mono position. Note: It is possible for the source material (such as an Internet station) to be broadcast in mono even if the Stereo position is selected.

2. **BALANCE:** Leave this control in the “Left” position unless the optional NetWorks Speaker is connected. When the optional NetWorks Speaker is connected, rotate the knob to the left or right to adjust the sound from each speaker, or leave in the center detent position for equal balance.

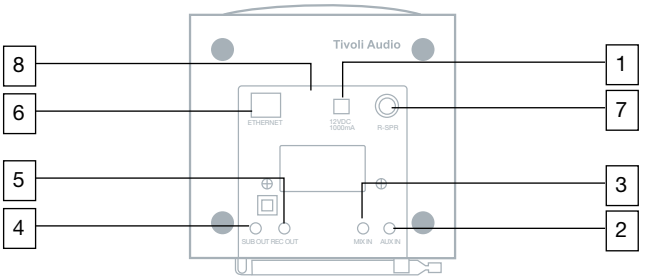
3. **HEADPHONE:** Connect a set of headphones (not included) to this 3.5mm female mini stereo variable output. The headphone volume is controlled by the wheel on the top of NetWorks and the volume buttons on the remote. Connected headphones will mute the main speaker. Avoid listening to headphones at high volume levels to prevent hearing damage.

4. **USB:** For your convenience you may connect the included USB cable to the USB input and then connect your USB device to the cable. Or connect your digital storage device (such as a memory stick) to this USB Type A 2.0 input. The display will briefly show “USB device found”. Set the source to Music Player mode and select USB.

   Use the music player controls (Presets 1, 2, & 3) to control music playback. All of the tracks for an artist or album will playback until the end of that folder is reached and then repeat. Note: Some MP3 players, including the iPod, use dedicated software to playback music and to charge, and therefore won’t be recognized by the NetWorks radio. In these cases, when such a device is connected to the USB input, the LCD will briefly show “USB unsupported” and might not charge. To play these MP3 players, including the iPod, connect the player’s headphone output to the NetWorks Auxiliary input and charge the device (if necessary) through other means. If a Real music file will not play, it should be converted to MP3, WMA, or AAC format for playback through the NetWorks.

5. **PRESETS #1-5, SOURCE, MENU/SELECT, ▲▼◀▶:**
   See "Guide to Features (Remote Control)".

Guide to features (Bottom):



1. **12VDC/1A:** Connect an optional external power supply to this input, or use an optional 1A fused, 12VDC adaptor for operation in a boat or camper. The connector must be 5.5mm/2.1mm center positive. It is normal for the external power supply to become warm during use. This input should never be used simultaneously with the power cord input.
2. **AUX IN:** To hear audio from another device such as a CD or MP3 player, connect said device's audio output to this 3.5mm female stereo input. Note: You may need to adjust the volume level differently for an auxiliary device than the level used for radio listening.
3. **MIX IN:** Connect the audio output from a computer to this 3.5mm female stereo input. The computer's audio will be mixed in with the audio from whatever mode the NetWorks is in. The volume level of the computer's audio is controlled by the computer.
4. **SUB OUT:** Connect one end of the audio cable included with Tivoli Audio's Model Subwoofer (not included) to this 3.5mm female output.
5. **REC OUT:** To record from the NetWorks, connect the inputs from a recording device (such as a cassette deck) to this 3.5mm female stereo fixed output.
6. **ETHERNET:** If a WiFi signal is unavailable or is unreliable, securely connect a standard Ethernet cable (not included) to this input.
7. **R-SPR:** Connect the male RCA from the optional NetWorks Speaker to this female RCA output, adjust the Balance control to the center detent position, and place the Mono/Stereo switch in the Stereo position. Bend the NetWorks Speaker connecting cable so the NetWorks radio sits flush.
8. **POWER CORD INPUT:** Insert the correct end of the included power cord securely into this input and connect the other end of the cord into an electrical outlet. Damage as a result of using the NetWorks with an incorrect voltage is not covered by the factory warranty.

Helpful hint: When connecting mini cables (not included) to the bottom inputs and outputs, bend the cables so the NetWorks sits flush.

Be sure the NetWorks is turned off when connecting/disconnecting audio cables.

Internet Radio mode- Tuning Stations:

1. In Internet radio mode, press and hold the Select button to enter the main menu.
2. Select “Station List”.
3. Select “Stations” (or Podcasts).
4. Next, choose Location, Genre, or Station Search and press the Select button. Location allows you to choose from a list of countries. Genre allows you to choose from a list of formats. For a detailed description of Favorites, and Station Search, see the section marked “Menu options and specific features” on the page below.

Note: Tivoli Audio is not responsible for broadcast content.

A Word About Internet Stations:

Adding Internet stations:

If there is an Internet station you do not see listed in the Stations menu, you can send Tivoli Audio an email requesting the station be added: addstation@tivoliportal.com, or visit our dedicated NetWorks site at: http://tivoliportal.com.
In your email you should include all information necessary to identify the station (station name, location, URL, etc). It’s also possible to add radio stations and view other information via Tivoli Audio’s dedicated site: http://tivoliportal.com.

Unavailable, Please try later:

Although this message is usually a result of a station’s URL not responding, exceeding the maximum number of listeners, or a slow connection between the server and the NetWorks radio, there might be other reasons. Some stations don’t broadcast 24 hours a day or 7 days a week, and some are not always on-line. Some stations will also change their audio formats (codecs) and/or streaming protocols, which can result in the stations no longer showing in the Stations list even though their websites can still be accessed on a computer. Still other stations might change their links. If you have a computer, try acquiring the Internet station using your PC to see if the results are the same. If you suspect the station is no longer broadcasting or its link is outdated, send Tivoli Audio an email so we can upgrade the station data: addstation@tivoliportal.com, or use the site: http://tivoliportal.com.

This message might also be displayed when streaming a music file from a computer if the file is corrupted.

Menu options and specific features:

Note: A check mark symbol ✓ is used to indicate the current setting.

1. **SuperBuffer™ (found in the main menu in Internet radio mode only):** Located in the main menu in Internet radio mode, this unique feature developed by Tivoli Audio increases the buffer time by four to reduce the frequency of drop-outs. If you experience an Internet radio station that is dropping out frequently, select “on” to engage this feature. The display will show “x4” when SuperBuffer™ is on. Loading of stations might take slightly longer whenever SuperBuffer™ is on. Drop-outs can be caused by different conditions. SuperBuffer™ cannot eliminate drop-outs completely.

2. **Tivoli EQ (found in main menu):** Use the ▲▼ and Select buttons to adjust the Bass and Treble. The adjusted values will be shown in “User EQ”. Use the ▲▼ buttons to turn Loudness On or Off. Turning Loudness on when listening at low volume levels is recommended since it boosts high and low frequencies resulting in a more natural sound. Use the ▲▼ and Select buttons to activate any one of the pre-set EQ settings. Selecting a preset EQ will over-ride any adjustment made to the Bass and Treble settings but Loudness will be unaffected. The “Flat” EQ restores the audio settings of the NetWorks to factory defaults, meaning Bass and Treble will be re-set to zero. However, if the Bass and Treble had been adjusted, those settings will still be shown in “User EQ”. Simply selecting “User EQ” will reactivate the Bass and Treble settings. In the EQ menu page, the numbers to the right hand side indicate the bass and treble settings.

3. **Favorites (found under “Station list” in Internet radio mode only):** In addition to storing five presets for Internet radio, you can save virtually an unlimited number of additional Internet stations in a menu called “Favorites”. While listening to an Internet station or Podcast you wish to save in Favorites, press and hold the right arrow button. Select whether you wish to store the station to Favorites. When you enter the Favorites list, select “Stations” or “Podcasts” (if you have also saved Podcasts). Use the arrow buttons to locate the station/Podcast you want. Press the Select button to play the station/Podcast, or press and hold the right arrow key for the option to delete the station/Podcast.

4. **My Added Stations (found under “Station list” in Internet radio mode only):** Located under the “Stations” category, this will list any Internet stations you request Tivoli Audio to add to your radio only.

5. **Station Search (found in “Stations” under “Station list” in Internet radio mode only):** Use the ▲▼ buttons to change character pages. Use the ◀▶ buttons to highlight characters and the Select button to enter the character.
   a) the ‘**<**’ symbol = back space if you make an error
   b) the ‘ ↲ ’ symbol = enter station name
   c) the ‘**C**’ symbol = cancel process and return to previous menu
   When selecting a blank space it will be represented by a blank space followed by an underscore indicating the position of the next character.

6. **Podcasts (found under “Station list” in Internet radio mode only):** Podcasts are essentially recordings of a wide variety of media, especially radio programs and audio from TV broadcasts, though there are certainly many more categories. They are a convenient way of listening to past programs you may have missed or wish to listen to again.

7. **Local Stations (found under “Stations” in Internet radio mode only):** This allows faster access to stations in your State rather than searching by Location.

8. **Clock and Date (found under “Settings”):** To have the time and date set automatically, select “Auto Clock/Date” and choose “Update from Internet”. Then select your Time Zone and indicate whether you want Daylight Saving Time (DST) on or off. For the auto updates to work, you must have consistent reception of the Internet. Tivoli Audio is not responsible for inaccurate time/date information provided by the auto clock/date. To set the time manually, select “No Update”, and then select “Clock” under the “Settings” menu using the ▲▼ and the Select buttons to set the hour. Repeat to set the minutes and press Select to save. Within this same “Settings” menu are additional options to set the date, clock format (time shown as digits or as a clock face in Off mode) and 12/24 hour mode.

9. **Language (found under “Settings”):** Use the ▲▼ and Select buttons to choose your language.

10. **Factory Re-Set (found under “Settings”):** Use the ▲▼ and the Select buttons to initiate a factory re-set. If you choose Yes, a message will ask you to confirm this choice. A factory re-set will erase all presets, language selection, Favorites, date, clock, alarm, WiFi security

password (if applicable), EQ settings, and any other customized settings. In the rare event you encounter an operational problem, unplug the NetWorks for a few seconds and plug it back in. If this fails to cure the problem, try the factory re-set.

11. **Info (found under "Settings"):** This shows information about your NetWorks radio which you might be asked to provide should you phone or email with questions about software or repair. This differs from the Info button on the remote control.

12. **Software Upgrade (found in the main menu under "Internet Setup" in Internet radio mode only):** A message will appear automatically in Internet radio mode advising you when new software is available. Otherwise, to check to see if an Upgrade is available, access the "Internet Setup" in the main menu in Internet radio mode and select "Software Upgrade". It is recommended you check for a software Upgrade after completing initial set-up of your NetWorks to be sure its software is fully up-to-date. Several different Upgrades might be necessary. The Networks will automatically re-boot after a successful upgrade. In the unlikely event you experience any odd behavior after a software upgrade, perform a factory reset.

    ⚠**WARNING: It is vital the NetWorks not be powered off or unplugged during the software Upgrade process or else the radio will require servicing to restore operation.**

How to set the Alarm:

1. Press the Alarm button on the remote or enter the Alarm menu under "Settings". The Alarm button on the remote will access the alarm menu even when the NetWorks is off.

2. Select Alarm 1 or 2.

3. Select "Time". Adjust the hours with the ▲▼ buttons and press Select to save and repeat the process for the minutes. You will see a message confirming the alarm time and alarm has been set.

4. Select the same alarm again to change the other options such as to set the alarm on or off, Schedule (whether you want the alarm to sound every day ("Daily") at the set time, or only on weekdays, only on weekends, or just once); the source you wish to wake to, the volume level of the alarm (set by the **▲▼ buttons, not the Volume buttons**); and select "Save" to store the changes.

    ⚠**Note: You must select "Save" after making any changes or else the changes will not be saved in memory.**

5. If you access the alarm menu while the NetWorks is off, once you've finished making and saving you're adjustments, press the alarm button again or the left arrow button (◀) to return the NetWorks to off mode.

Alarm Quick Set: If you don't need to change any settings in the alarm menu and just want to set the alarm to wake, press and hold the Alarm button on the remote control to set Alarm 1. Press and hold again to set Alarm 2. Press and hold again to set both Alarm 1 and 2. Or press and hold a fourth time to cancel both alarms.

During a power outage, the alarm time(s) and clock will be maintained by an integrated back-up memory. However, if power is lost during the same time the alarm is set to activate, the alarm cannot activate.

If you wish to wake to an Internet station, be sure the station is broadcasting during the time the alarm is set to activate. If waking to an Internet radio station that is unavailable or takes too long to load, the alarm will default to the tone as a back-up. If waking to an internet station and there is a problem connecting to your network, the NetWorks may not be able to default to the tone as a back up. If you are setting the alarm and are concerned about your network's reliability, consider

waking to the Tone. **Note:** Be sure headphones are not connected or the speaker will be muted and you will not hear the alarm sound.

When the alarm sounds you have three options:
1) Press the Snooze button to mute the alarm for 7 minutes;
2) Press any remote control button (except Power or Snooze) to turn the alarm off; or
3) Press the power button to turn the NetWorks off but keep the alarm set.
If no action is taken the alarm will sound for one hour and then shut off automatically.

Music Player mode Set up:

To access music files from your computer connected to the same network as the NetWorks and play them through the radio, you must configure the NetWorks to one of two methods available: Shared Media (UPnP: Universal Plug and Play) or Shared Folders (CIFS), with the former being the easier of the two methods. Shared Media also generally provides a wider selection of search criteria. If you already have Windows Media Player 11 installed on your computer along with music files, skip to “Operating Shared Media after Setup” to see if you can begin streaming now.

Note: The generic term “PC” is used simply for convenience sake. For advice regarding streaming music from an Apple computer, please consult our web portal at http://tivoliportal.com

1. **Shared Media (UPnP): (RECOMMENDED METHOD!)**
   Media sharing uses Windows Media Player (WMP) 11 and above as media server. WMP 11 can be downloaded from Microsoft’s website (www.microsoft.com). The Share Media mode does not require any special setup in the NetWorks, but your PC needs to be configured to allow the radio access to the media. You will only have to do it once following these steps:
   1) Verify your PC Is connected to the same network (wired or wireless) as the NetWorks.
   2) Install WMP 11 if not already installed on your PC.
   3) Open WMP 11. To add new media files to the library, click the “Library” tab and “Add to Library”. If the folder list is not shown, click “Advanced Options”. Now click “Add” and select the folders you wish to add, then click “OK”. Click “OK” again to close the “Add to Library” page.
   4) Turn the NetWorks on, press the Source button and select Music Player mode, then select “Shared media”. Now select your computer’s name. The NetWorks display will show “Unauthorized”. Click the “Library” tab on your computer in WMP 11 and select “Media sharing”. The NetWorks will be show as an “Unknown Device”. Select the unknown device and click “Allow”, then click “OK”. Press the Select button again to authorize the NetWorks to access the menu. Select “Music” from the NetWorks menu and select the rest of the options on the display until your music file starts play.

   Operating Shared Media after Set-Up:
   1) Select the Music Player mode under “Source” in the NetWorks.
   2) Select Shared Media. The NetWorks will scan for all available computers. If no computers are found the display will show “Empty”. Otherwise:
   3) Use the ▲▼ buttons to highlight your computer and press Select.
   4) Select from the various media categories shown (Music, Playlists, etc). Note: Selecting “Video” or “Pictures” (if shown) will result in the display showing “Empty”. The actual menu structure from this point forward is provided by the media server not the NetWorks and might change across systems. Use the ▲▼ buttons to highlight the file you wish to play and press Select.

As with the USB input, the Music Player cannot play back protected music files that use Apple's proprietary coding. Songs or albums purchased through iTunes use this format. Also note there are many versions of the Real Audio format. Also note there are many versions of the Real Audio format. If a Real music file will not play, it should be converted to MP3, WMA, or AAC format for playback through the NetWorks.

2. **Shared Folders (CIFS): (WINDOWS XP HOME)**

In order to set up the NetWorks to playback music stored on shared network computers, please follow the instructions below.

1) Press the "Start" key on your computer.
2) Select "All Programs".
3) Select "Accessories".
4) Select "Windows Explorer".
5) Locate the folder you want to share.
6) Right click the folder and click "Sharing and Security".
7) Do one of the following:
   a) If the "Share this folder on the network" check box is available, select the box and click "Okay".
   b) If the "Share this folder on the network" check box is not available, your computer is not on a network. If you would like to set up a home or small office network, click the "Network Setup Wizard" link and follow the instructions to turn on file sharing. Once file sharing is enabled, start this procedure over again.
8) Turn on the NetWorks, press the Source button, select Music Player mode and "Shared folders".
9) Select the workgroup name and then select the computer name. Now select the desired folder and continue to select the folders you wish to access.

Note for Windows VISTA: You have to turn on the Guest account via manage user accounts in the control panel in VISTA, then add access to either 'Everyone' or 'Guest' on the shared drive. You can create a new account for the NetWorks with a password if you are concerned about security. The Guest account has no password by default, so the NetWorks will connect to it from its factory default settings.

Operating Shared Folders (CIFS) after Set-Up:

1) Select the Music Player mode under Source in the NetWorks and select Shared Folders.
2) NetWorks searches for all available domains and shows all found domains. This may take a minute or so.
3) Once you select a domain, a list of PCs on the domain is displayed.
4) Select the PC you wish to access.
5) Once a Domain and PC have been chosen, a list of all of the shared folders in the system is displayed.
6) Select a folder and a file to play within the folder.

As with the USB input, the Music player cannot play back protected music files that use Apple's proprietary coding. Songs or albums purchased through iTunes use this format. Also note there are many versions of the Real Audio format. If a Real music file will not play, it should be converted to MP3, WMA, or AAC format for playback through the NetWorks.

The Display:

The display's backlight and contrast are controlled automatically via a small sensor in the lower right corner of the front panel. There are no manual adjustments other than turning the display off whenever the NetWorks is turned off. This option is found in the main menu under "Settings". If selected, the display will go dark after the NetWorks is turned off. This might be useful when using the NetWorks as an alarm clock in a bedroom and complete darkness is desired. The display will return to normal when the NetWorks is powered on again, the alarm sounds, or the snooze count-down is active. With the unit off, while the display is dark, press any button on the remote control (except Power or Alarm) to turn the display on for 5 seconds. This will allow you to see the time without having to turn the radio on and off again. With the unit off, press any button on the remote two times and the display will turn on or off without having to turn the NetWorks on and accessing the main menu. Note: The display can be affected by hot and cold temperatures.

Placement:

Place the NetWorks on a flat, stable surface. The NetWorks' driver is shielded and may be used in close proximity to a computer monitor or television set. Do not obstruct the rear bass port. Placement in a bookcase, corner, or against a wall will inflate the bass.

Cleaning:

Never use any harsh cleansers or solvents on the NetWorks cabinet or plastic panels, as this could damage the finish.

NOTE: Tivoli Audio cabinets use real wood veneers. Since natural wood varies greatly, it is not possible to achieve an exact wood color/grain match between models. You may also notice the wood darken over time with exposure to sunlight. Again, this is normal for real wood.

TROUBLESHOOTING:

If you are unable to get the NetWorks radio to connect to your WiFi network and you have a PC, confirm your PC can connect to your WiFi network to verify it is operational.

Check that your network doesn't restrict connections to particular MAC addresses. View the NetWorks' MAC address in the main menu under "Info", shown as "Radio ID".

Check that a DHCP server is available, or that you configured a static IP address on the NetWorks. You can configure a static IP address on the NetWorks in the main menu under "IR Set Up".

Check that your network's firewall isn't blocking any outgoing ports.

If using an Ethernet cable, be sure the cable is fully inserted into the NetWorks Ethernet jack and you've selected "Wired" under "Manual settings" In "Internet Setup".

In the rare event you encounter an operational problem, unplug the NetWorks for a few seconds and plug it back in. If this fails to cure the problem, try the factory re-set.

THE FOLLOWING IS A DESCRIPTION OF SOME OF THE MESSAGES THE NETWORKS COULD DISPLAY:

Message	Type	Description
Failed to connect	Error	Seen when a WiFi network-related error occurs. Some examples of circumstances which will trigger a 'Failed to connect' are: 1) NetWorks fails to connect to WiFi network 2) Wrong network security key entered
Network error	Error	Seen when a server/connection-related error occurs. Some examples of circumstances which will trigger a 'Network error' are: 1) NetWorks fails to connect to WiFi network 2) NetWorks fails to connect to an Internet station 3) NetWorks was streaming a Internet station and connection failed midway through the streaming 4) NetWorks fails to connect to a PC for streaming music
Format error	Error	Seen when the NetWorks has a problem playing the media due to unsupported format type. Some examples of circumstances which will trigger a 'Format error' are: 1) NetWorks tunes to a Internet radio station which is being transmitted using an unsupported audio codec 2) NetWorks tries to play a music file from a PC or USB device which is in a format not supported
Read error	Error	Seen when a USB device is detected but its file system cannot be read.
Connecting...	Info	Seen when NetWorks tries to establish connection with a network, server, or Internet station.
Loading...	Info	Seen once the NetWorks has established connection and starts buffering the station/stream.
Playing...	Info	Seen once NetWorks has completed connecting and loading, and starts playing the stream. This is the point when the station becomes audible.
Stopped	Info	Seen when an Internet radio station is currently not transmitting or the station's or music file's stream is un-decodable.
USB update	Info	Seen when the NetWorks is unplugged or loses power during a software upgrade and must be serviced to restore normal operation.
Waiting for Ethernet	Info	Seen when the NetWorks is in "Wired" mode and an Ethernet cable is not connected or there's a problem with the cable or the network.

Limited Warranty:

Tivoli Audio manufactures its products to very high standards and we are confident our products will perform well. Accordingly, we provide a limited warranty on this product against manufacturing defects in material and workmanship to the original owner, for a period of one year from the original date of purchase. This warranty is non-transferable.

This Limited Warranty covers the functionality of the product for its normal, intended use as specified in this Owner's Manual. It does not cover a malfunction or damage that has resulted from improper or unreasonable use or installation, faulty ancillary equipment, modifications, unauthorized repair, shipping damage or loss, abuse, accidents, use on improper voltage/current, power surges, lightning or other acts of God, excess moisture, normal wear and tear, commercial use, or purchase from unauthorized dealers. Proof of purchase as evidence the unit was purchased from an authorized dealer may be required for warranty service. **Please contact the dealer of purchase or local distributor for warranty service or repair.**

Returns of any model purchased directly from Tivoli Audio via our website, telephone, mail, or fax: must have a Return Authorization (RA) number clearly indicated on the outside of the package. An RA number can be obtained by phoning Tivoli Audio customer service (1.877.297.9479) with the product's model name, serial number, approximate date of purchase, and detailed description of the problem, or by filling out the RA form on our web site (www.tivoliaudio.com). PRODUCTS RETURNED TO TIVOLI AUDIO WITHOUT A VALID RA # WILL BE RETURNED UNOPENED TO THE SENDER.

Please refrain from opening this product or taking it apart as doing so will void this Limited Warranty. There are no user serviceable parts inside. Tivoli Audio will not pay for costs incurred due to correction of reception problems, elimination of externally generated static/noise, loss of time, inconvenience, loss of use of product, or damage caused by improper use of this product.

In the event the product is returned during the warranty term and is eligible for service under this Limited Warranty, we will repair or replace any defective parts within a reasonable period of time and free of charge.

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In states where liability limits are not precluded by statute, the maximum liability of Tivoli Audio shall not exceed the purchase price paid by you for the product. In states where limitations of liability are precluded by law, Tivoli Audio shall be liable for no more than the direct damages for bodily injury, and/or real or personal property arising from the negligence of Tivoli Audio.

Where not prohibited by law, Tivoli Audio shall not be liable for special, incidental, consequential, or indirect damages. Some places do not allow limitations on the exclusion or limitation of relief, special, incidental, consequential or indirect damages, or the limitation of liability to specified amounts, so the above limitations or exclusions may not apply to you.

This Limited Warranty is void if the label bearing the serial number has been removed or defaced.

For service outside the USA, please contact your local distributor.
If you purchased an extended service contract from your dealer and service is required after the term of this Limited Warranty has expired, please contact your extended service contract provider to obtain service.

For your convenience, you may register your product for warranty service online at our website, www.tivoliaudio.com. There is no legal obligation for you to provide personal information. However, such information allows us to maintain a record of the Tivoli Audio products acquired by you and better understand the purchasers of our products. The information collected will be used for marketing purposes by Tivoli Audio and, where permitted, to contact you in relation to the products you have acquired or other products which might be of interest to you from Tivoli Audio or other companies. The information that you provide may be processed in another country.

Please visit the Tivoli Audio FAQ section at http://tivoliportal.com prior to any request for warranty service as information available there may answer your questions or concerns.

You may email questions to us at mail@tivoliaudio.com
For your convenience, you may register your product for warranty coverage on-line at www.tivoliaudio.com.

Specifications:

Model:	The NetWorks Radio
Drivers:	3.5" full range, magnetically shielded
Receiving bands:	Internet radio: 2412-2462MHz
Formats:	WMA, Real Audio, MP3, and in Music Player mode, AAC.
Dimensions:	5.51"W x 8.74"H x 5.12"D (140mm W x 222mm H x 130mm D)
Weight:	4.0 lbs./1.814 kg

All specifications subject to change without notice.
Tivoli Audio reserves the right to make product changes without notice.
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Patent Pending.

End Users shall:

a. Refrain from modifying, translating, reverse engineering, decompiling, disassembling or using other means to discover the Source Code or otherwise replicate the functionality of the Client Code, except to the extent that this restriction is expressly prohibited by applicable law.

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